

*With Series A dynamic inverters from Vanner, you can run a variety of tools and equipment, from motors, compressors, heaters and pumps to plastic pipe fusion equipment.*

### The 120Vac Power Source That Outperforms Generators

Vanner's Series A solid-state dynamic inverters provide up to 7200 watts of power from lightweight, precisely regulated units that are powered by your truck's alternator.

### 3600 to 7200 Watts of 120Vac Power from the Vehicle's Alternator

Vanner's Series A inverters provide 120Vac, 60 Hz power from the DC output of a heavy-duty 12Vdc alternator. Our unique turbo-power voltage regulation technique provides maximum power at low engine RPMs. Frequency is crystal-controlled and constant at 60 Hz regardless of engine speed. Vanner dynamic inverters are compact, lightweight and silent, saving hundreds of pounds and maintenance dollars over generator sets.

### Dynamic Inverters Operate:

- ♦ Motors, compressors, heaters and pumps
- ♦ Video and radio equipment
- ♦ Power tools and appliances
- ♦ Pipe threaders
- ♦ Quartz and high pressure lights
- ♦ Plastic pipe fusing equipment

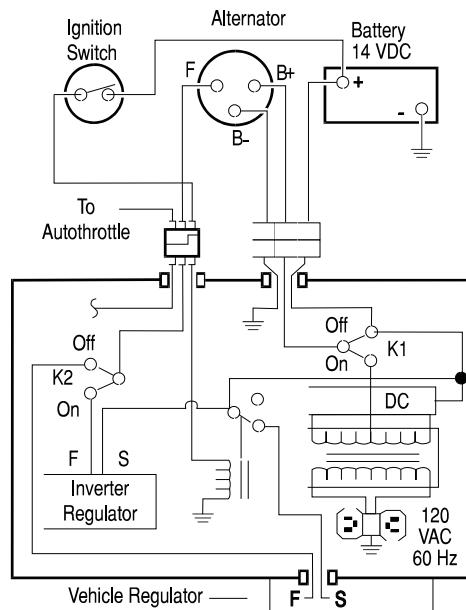
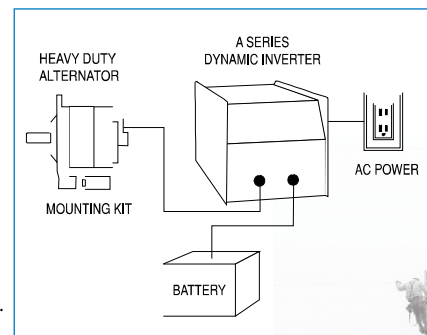
### How It Works . . .

#### When the inverter is off:

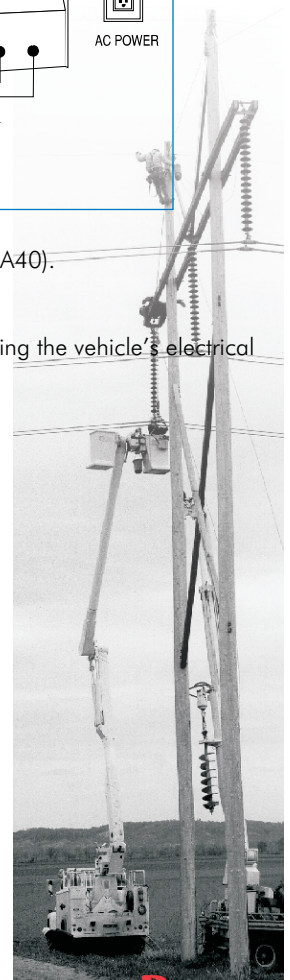
1. Relays bypass inverter transformer and connect alternator output directly to battery.
2. Alternator output is regulated by the inverter OFF voltage regulator.

#### When the inverter is on:

1. Alternator output is switched to the inverter transformer and regulated to approximately 60V (40V for Model A40).
2. Alternator field regulation is switched to the inverter ON regulator.
3. Autothrottle (if used) automatically increases engine RPM to minimum required speed.
4. Inverter produces 120Vac power for operating AC loads and 14Vdc power for keeping the vehicle's electrical system charged.



**EXPERIENCE THE POWER.**



# DynaVerter Series A

## Dynamic DC to AC Power Inverters

### Dynamic Inverter Specifications

| Model       | Output Watts<br>(120Vac) | Output<br>Amps (120Vac) | Surge<br>Capacity | Max DC Amps<br>Charging | Shipping<br>Weight | Dimensions<br>H" x W" x D" |
|-------------|--------------------------|-------------------------|-------------------|-------------------------|--------------------|----------------------------|
| A30-70XG15  | 3600                     | 30                      | 60                | 70                      | 70 lbs.            | 9.75 x 14.25 x 15          |
| A40-120XG15 | 4800                     | 40                      | 60                | 120                     | 105 lbs.           | 9.75 x 17.75 x 15          |
| A60-120XG15 | 6000                     | 50                      | 75                | 120                     | 100 lbs.           | 9.75 x 17.75 x 15          |

### Dynamic Inverter Performance Data

| Maximum<br>Capacity | Inverter    | Alternator*           | Minimum<br>Alternator RPM**<br>Watts at 120Vac |       |       |       |      |
|---------------------|-------------|-----------------------|--|-------|-------|-------|------|
|                     |             |                       | 1.2kW  | 2.4kW | 3.6kW | 4.8kW | 6kW  |
| 3600 Watts          | A30-70XG15  | LN 75A (4400 Series)  | 2125   | 2700  | 3750  |       |      |
|                     |             | LN 105A (4600 Series) | 2925   | 3350  | 3925  |       |      |
| 4800 Watts          | A40-120XG15 | LN 130A (4700 Series) | 2950   | 3475  | 4250  | 5600  |      |
|                     |             | LN 145A (4800 Series) | 2950   | 3350  | 3950  | 4650  |      |
| 6000 Watts          | A60-120XG15 | LN 105A (4600 Series) | 2925   | 3350  | 3925  | 5150  | 7600 |
|                     |             | LN 130A (4700 Series) | 3675   | 4125  | 4675  | 5475  | 6450 |
|                     |             | LN 145A (4800 Series) | 3625   | 4000  | 4350  | 4700  | 5400 |

\*LN = Leece Neville

\*\*To convert alternator RPM to engine RPM, divide by the crankshaft-to-alternator pulley ratio.

Vanner's policy is one of continuous improvement. We reserve the right to change specifications without notice.

### Optional Accessories

- ♦ Automatic Throttle Control - to automatically increase engine speed above required minimum when inverter is on (Kit 73-46).
- ♦ Remote Control with Voltmeter (D05031, dash-mount; D05032, panel-mount).
- ♦ High output, low cut-in replacement alternators for optimum performance (consult factory).
- ♦ Small diameter alternator pulleys for maximum pulley ratio.
- ♦ 20 ft. Harness with Loom (D05060).
- ♦ 30 ft. Harness with Loom (D05228).
- ♦ Alternator Mounting Kits (consult factory).
- ♦ Test Strip (D05022) for diagnostics.

### The following are recommended for a complete dynamic inverter system:

- ♦ Automatic Throttle (p/n 73-46)
- ♦ Wiring Harness w/Loom: 20ft D05060 or 30ft D05228 (required in a new installation)
- ♦ Externally Regulated Alternator - see chart
- ♦ Alternator Mounting Kit - consult factory for specifics

| V/PN  | LN/PN    | AMPS | MOUNT         |
|-------|----------|------|---------------|
| 05725 | LN4425AB | 75A  | Foot Mount    |
| 05726 | LN4452AB | 75A  | Spindle Mount |
| 05727 | LN4625AB | 105A | Foot Mount    |
| 05735 | LN4654AB | 105A | Spindle Mount |
| 05736 | LN4725AB | 130A | Foot Mount    |
| 05737 | LN4754AB | 130A | Spindle Mount |
| 05738 | LN4805AB | 145A | Foot Mount    |

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